

What Is Claimed Is:

1. A method for controlling a run of a program executable on at least one microprocessor of a microcontroller, comprising the steps of:
 - reading in information regarding a hardware of the microcontroller from at least one information register of the microcontroller; and
 - actuating at least one switch via which the program run is controlled as a function of the information read in.
2. The method according to claim 1, wherein:
 - the information read in corresponds to at least one of the at least one microprocessor of the microcontroller and at least one additional component of the microcontroller.
3. The method according to claim 1, further comprising the step of:
 - controlling a run of a test program that is executable on the at least one microprocessor of the microcontroller of a testing device and is for testing at least one of an additional microcontroller, a control unit, and a control program executable on at least one microprocessor of the additional microcontroller, the controlling being performed as a function of information regarding a hardware of the additional microcontroller.
4. The method according to claim 1, further comprising the step of:
 - controlling a run of a control program that is executable on the at least one microprocessor of the microcontroller of a control unit and is for controlling/regulating technical operations and processes, the controlling being performed as a function of the information regarding the hardware of the microcontroller.
5. The method according to claim 4, wherein:
 - the technical operations and processes relate to a motor vehicle.
6. A control element for one of a control unit of an internal combustion engine and for a testing device for testing at least one of a microcontroller, the control unit, and a program executable on at least one microprocessor of the microcontroller, comprising:

a storage medium storing another program that can be executed on a computing element, the other program causing the computing element to:

read in information regarding a hardware of the microcontroller from at least one information register of the microcontroller, and

actuate at least one switch via which a program run is controlled as a function of the information read in.

7. The control element according to claim 6, wherein:

the computing element includes the at least one microprocessor.

8. The control element according to claim 6, wherein:

the storage medium includes one of a read only memory and a flash memory.

9. The control element according to claim 6, wherein:

the internal combustion engine is of a motor vehicle.

10. A microcontroller, comprising:

at least one microprocessor including a program that is executable on the at least one microprocessor;

at least one information register;

an arrangement for reading in information regarding a hardware of the microcontroller from the at least one information register; and

at least one switch actuatable as a function of the information read in and for controlling a run of the program executable on the at least one microprocessor.

11. The microcontroller according to claim 10, wherein:

the information read in corresponds to at least one of the at least one microprocessor of the microcontroller and at least one additional component of the microcontroller.

12. The microcontroller according to claim 11, wherein:

the information regarding the at least one additional component of the microcontroller includes information about at least one of an internal storage element,

an analog/digital (A/D) converter, a digital/analog (D/A) converter, and at least one databus.

13. The microcontroller according to claim 10, wherein:

the microcontroller is part of a testing device for testing at least one of an additional microcontroller, a control unit, and the program executable on the at least one microprocessor.

14. The microcontroller according to claim 10, wherein:

the microcontroller is part of a control unit for controlling/regulating technical operations and processes.

15. The microcontroller according to claim 14, wherein:

the technical operations and processes relate to a motor vehicle.

04876850
0703070